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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/648,973	08/27/2003	Larry L. Johnson	2232/SPRI.103532	4144
32423	7590 12/15/2006		EXAMINER	
0.	MMUNICATIONS CO	AMRANY, ADI		
6391 SPRIN KSOPHT010	Γ PARKWAY 01-72100		ART UNIT	PAPER NUMBER
	PARK, KS 66251-210	2836		
			DATE MAILED: 12/15/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
	10/648,973	JOHNSON, LARRY L.			
Office Action Summary	Examiner	Art Unit			
	Adi Amrany	2836			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status	•				
1) Responsive to communication(s) filed on 19 Oc	ctober 2006.				
2a)⊠ This action is FINAL . 2b)☐ This	<u>_</u>				
3) Since this application is in condition for allowan	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4)⊠ Claim(s) <u>6-12</u> is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>6-12</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.				
Application Papers					
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:					
1. Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage					
application from the International Bureau (PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of the certified copies not received.					
Attachment(s)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da 5) Notice of Informal P				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	6) Other:				

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DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed October 19, 2006 have been fully considered but they are not persuasive. As stated in the non-final rejection (June 19,2 006), Jungreis (US 6,184,592) discloses each rectifier is coupled to a capacitor to form a paired device (figures 3-4, items DR and F; column 3, lines 4-5 and 33-40). Furthermore, coupling a capacitor to a rectifier is well known in the art to smooth the output DC voltage. Placing these components in a single housing is not an inventive step.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 6 and 11-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jungreis (US 6,184,593) in view of Jungreis (US 6,541,940).

With respect to claim 6, Jungreis '940 discloses a power supply system for providing reliable electrical power to a telecommunications facility (column 1, lines 45-59), said facility containing telecommunications equipment.

Jungreis '593 discloses a power supply system comprising:

an AC power source (figures 3 and 4, item 10; column 3, lines 4-5); and a plurality of individual rectifier/super capacitor devices (figures 3 and 4, items DR1-DRn+2, F1-Fn+2; column 3, lines 4-5, 33-40), each device including a rectifier and a super capacitor housed together (figure 4);

wherein each of said individual rectifier/super capacitor devices also includes at least three connection points (figure 4) to which other devices may be coupled, the first connection point coupled internally to a rectifier AC input, the second connection point coupled internally to a rectifier DC output and a first side of said super capacitor, and the third connection point coupled internally to a second side of said super capacitor;

wherein said AC power source is at least one microturbine generator (figures 3 and 4, item 20b; column 2, lines 58-59) operable to produce AC electrical power and adapted to be powered by a fuel.

The three connection points are shown in figure 4. At the time of the invention by applicant, it would have been obvious to utilize the power supply system disclosed in '593 with the telecommunications facility disclosed in '940. The motivation for doing so would have been to supply uninterruptible power to an electricity dependent utility service provider. Further, it would have been obvious to utilize super capacitors in the Jungreis systems, as it is well known in the art that super capacitors are capacitors that are designed to comprise a higher energy density.

With respect to claim 11, Jungreis '593 further discloses said AC power source is a commercial electric utility (column 1, lines 11-12).

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With respect to claim 12, Jungreis '593 further discloses a first switching mechanism (figure 2, items S2; column 1, lines 25-37) that is operable either to couple at least one microturbine generator to said first connection point or to couple a commercial electric utility to said first connection point.

4. Claims 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jungreis ('593 and '940), in view of Welches (US 6,404,655).

With respect to claim 7, Jungreis does not expressly disclose said fuel for said at least one microturbine generator is natural gas. Welches discloses a microturbine generator powered by a gas turbine (column 10, lines 4-7).

Jungreis and Welches are analogous because they are from the same field of endeavor, namely AC power rectifiers. At the time of the invention by applicant, it would have been obvious to a person of ordinary skill in the art to combine the microturbine generator disclosed in Jungreis with the gas disclosed in Welches. Further, it would be obvious to one skilled in the art that the gas turbine would be powered by natural gas. The motivation for doing so would have been because natural gas is a widely used combustible fuel.

With respect to claim 8, Jungreis and Welches disclose the system of claim 7, and further, it would be obvious to one skilled in the art that said natural gas is supplied by a commercial utility. Natural gas is commonly distributed by commercial utilities to customers through underground pipes.

With respect to claim 9, Jungreis discloses the system of claim 6, and Welches discloses the fuel for said at least one microturbine is propane. It would have been

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obvious to one skilled in the art to that the gas disclosed in Welches may comprise propane because propane is a widely used combustible fuel.

With respect to claim 10, Jungreis and Welches disclose the system of claim 9, and further, it would be obvious to one skilled in the art that said propane is stored on site. Propane gas is commonly delivered to consumers and stored in tanks.

Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adi Amrany whose telephone number is (571) 272-0415. The examiner can normally be reached on weekdays, from 9am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (571) 272-2800 x36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AA

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